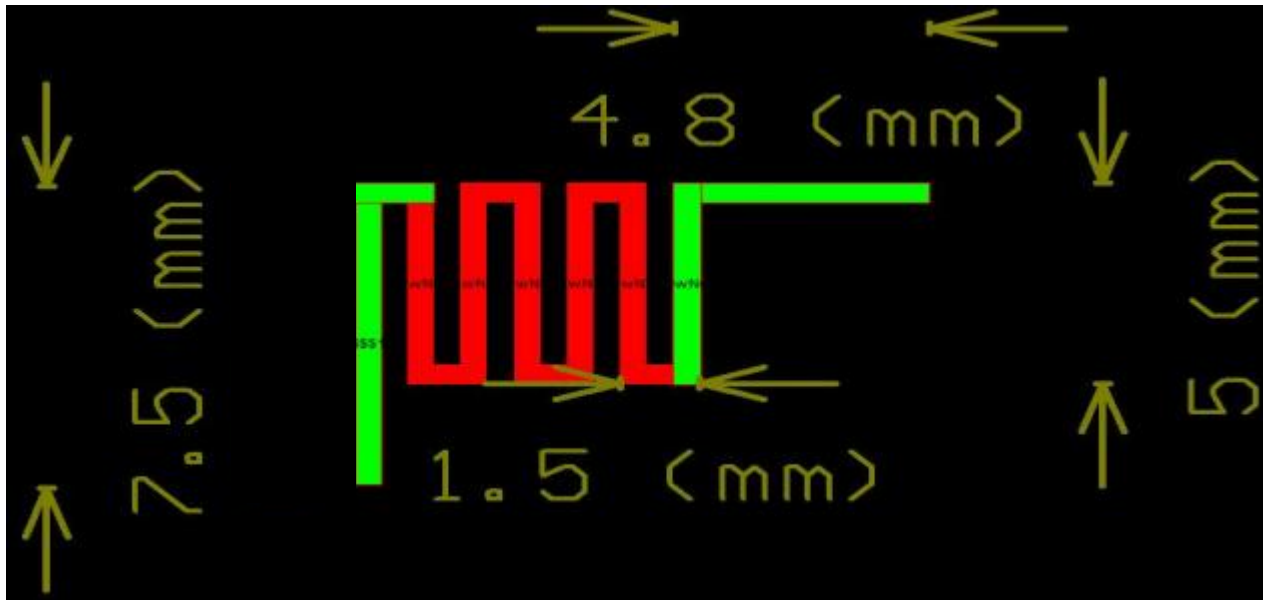


Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2.402GHz	2.94 dBi
	2.440GHz	2.76 dBi
	2.480GHz	2.73 dBi
MAX. GAIN	2.94 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	41 mm	

Antenna Photo & Length

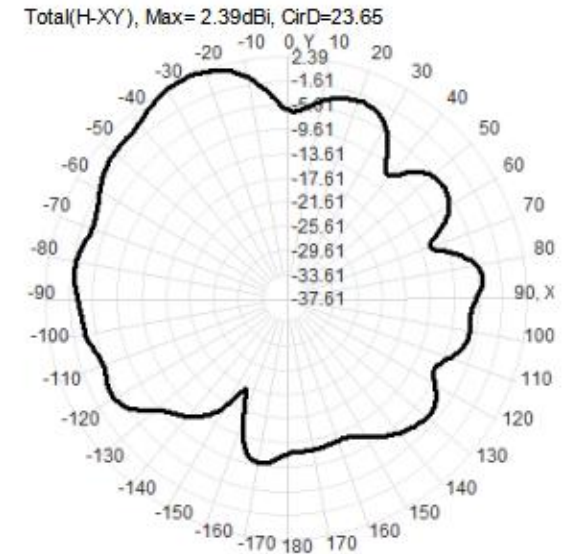
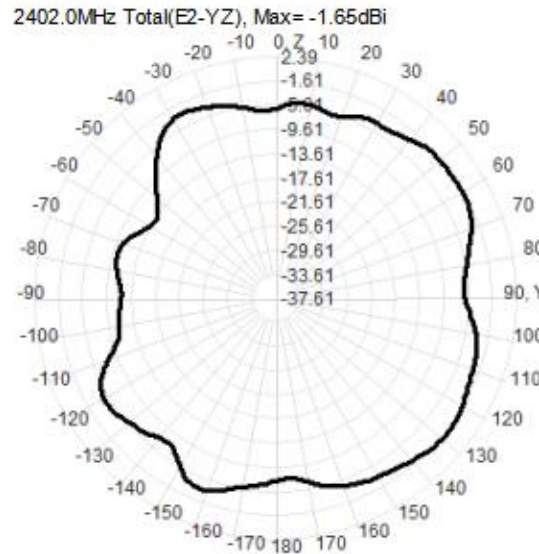
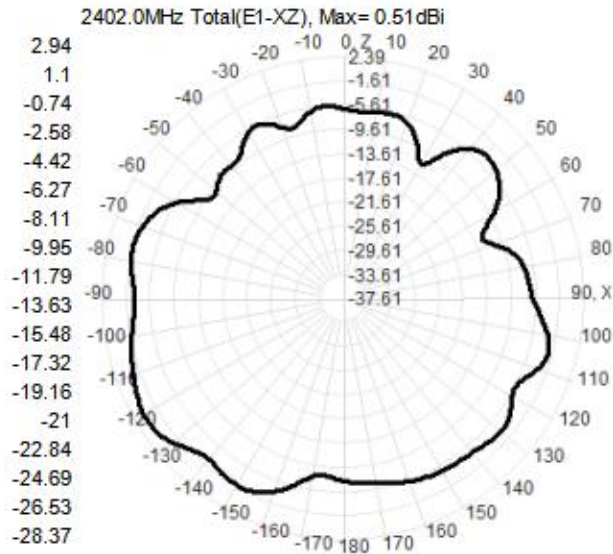


model X87

manufacturer Jiangxi Jichi Technology Co., Ltd

Manufacturer's address PlantNo.3,BlockB13-1-2,B14-1,JinggangshanEconomicandDevelopment Zone,Ji'an City,
Jiangxi Province

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.402\text{GHz}$



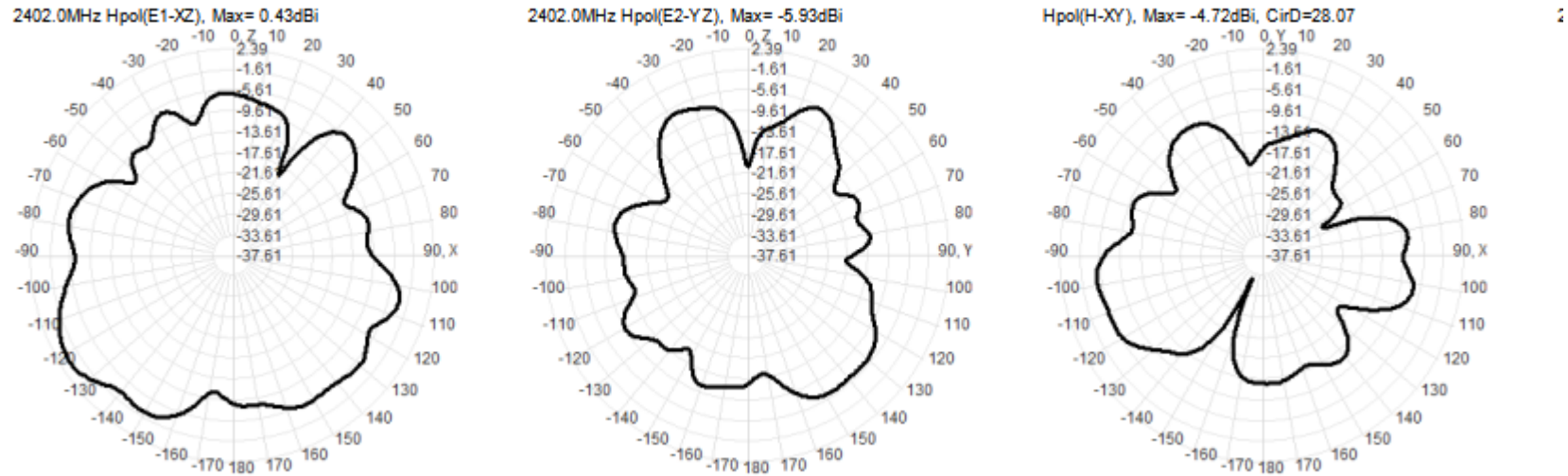
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.402\text{GHz}$



Co-cross polarization field (dBi)

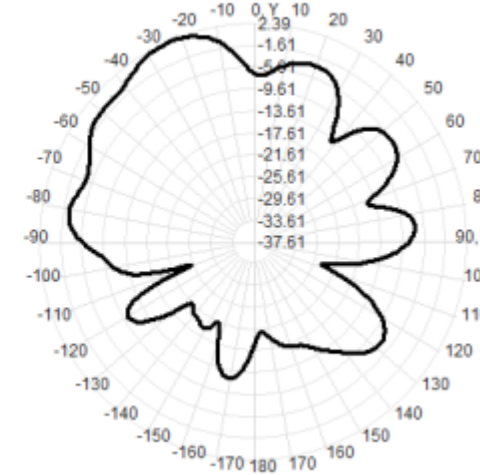
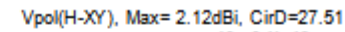
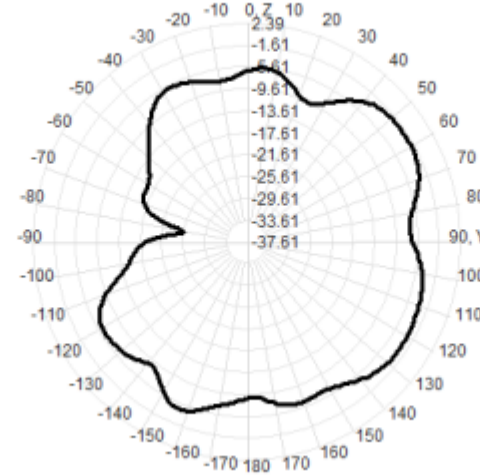
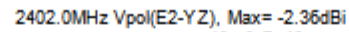
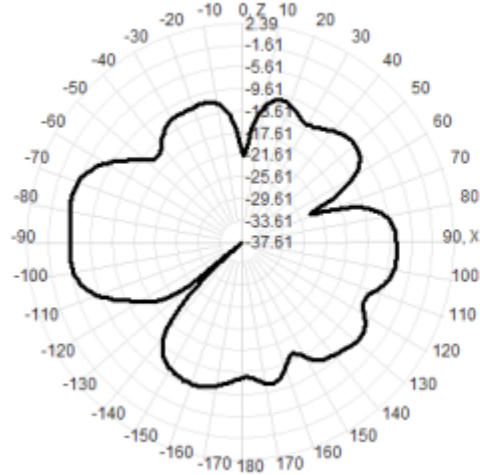
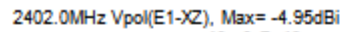
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.402\text{GHz}$



Co-cross polarization field (dBi)

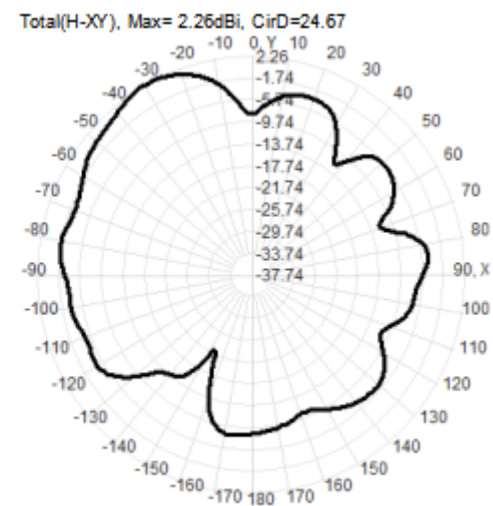
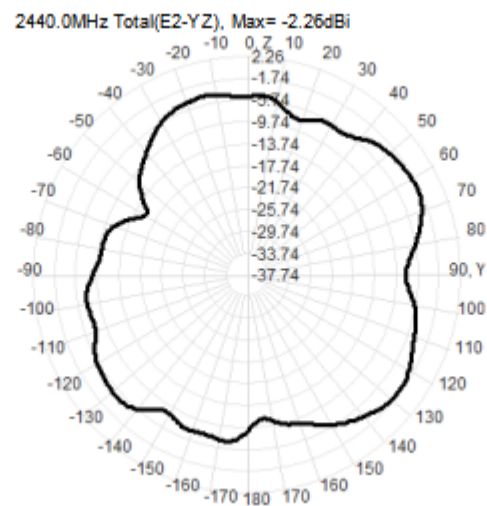
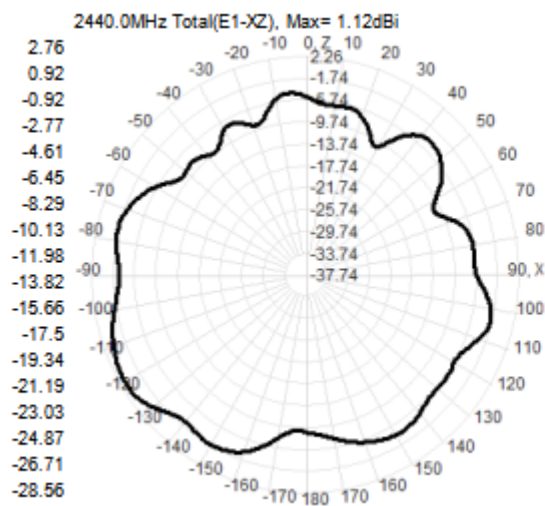
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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Radiation pattern: Antenna 1 . XZ Plane at $f = 2.440\text{GHz}$



Co-cross polarization field (dBi)

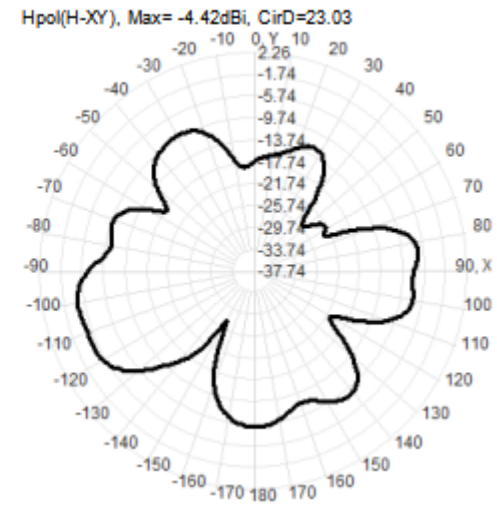
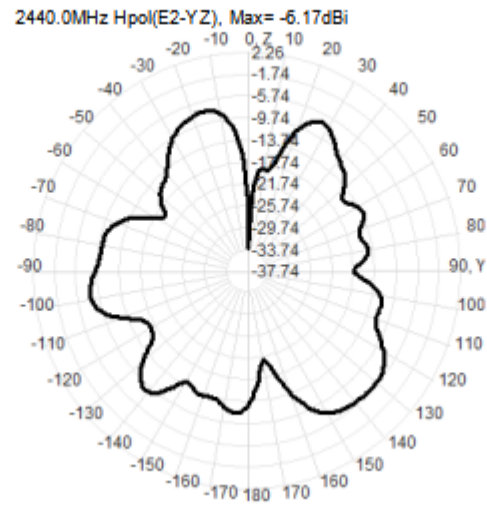
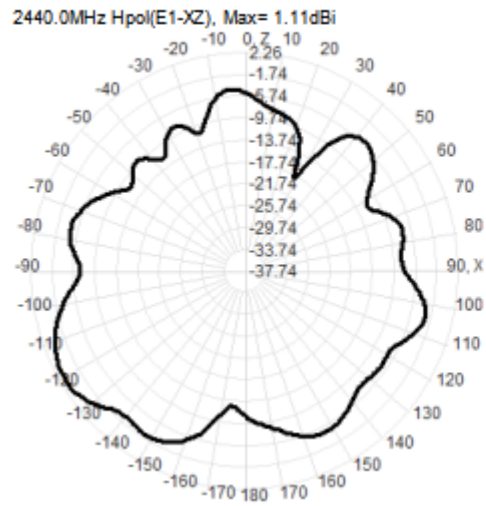
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.440\text{GHz}$



Co-cross polarization field (dBi)

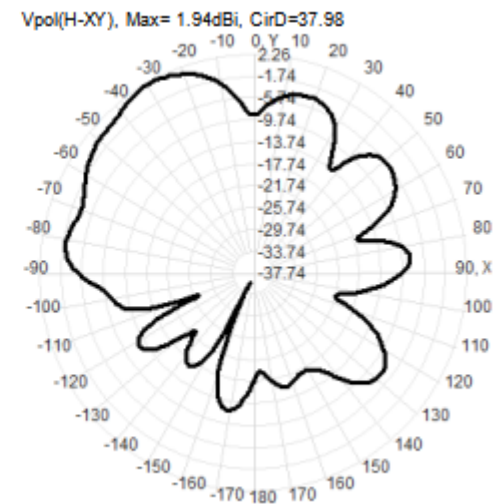
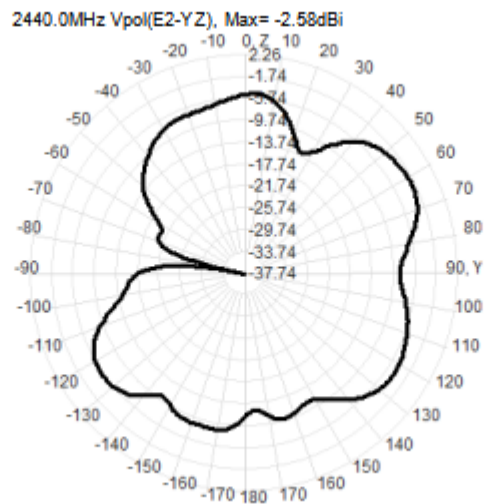
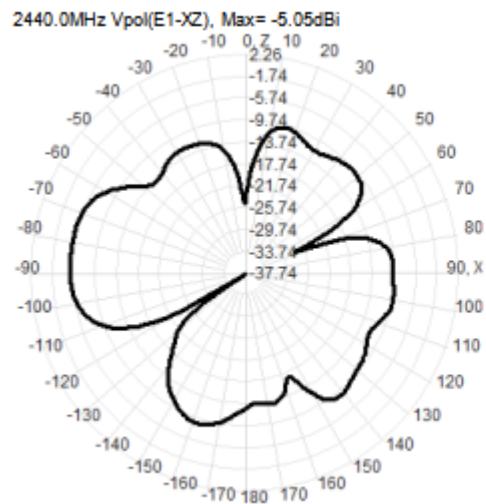
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.440\text{GHz}$



Co-cross polarization field (dBi)

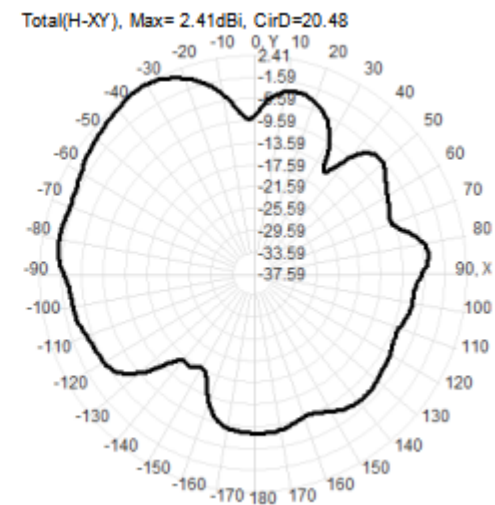
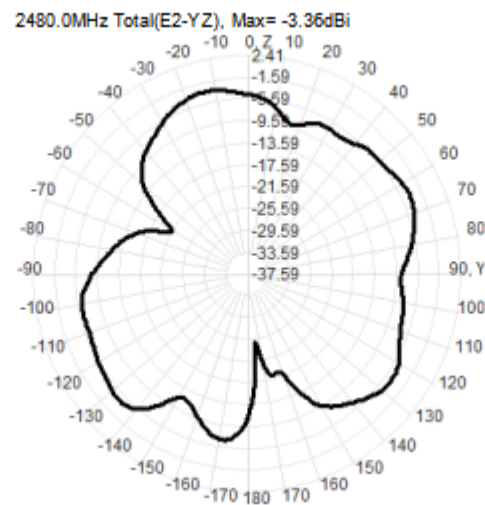
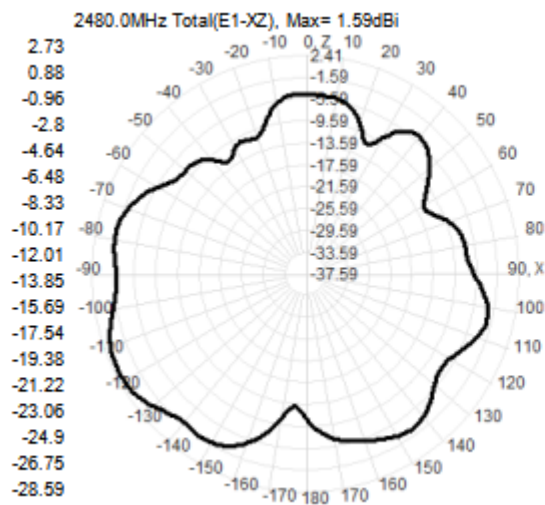
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

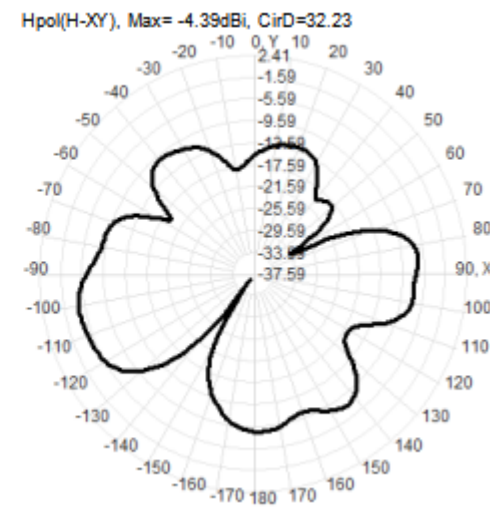
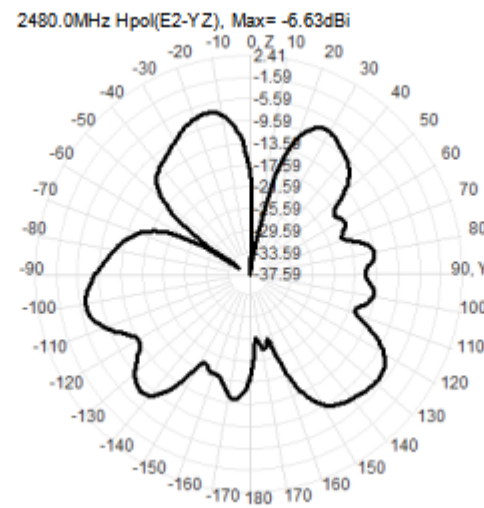
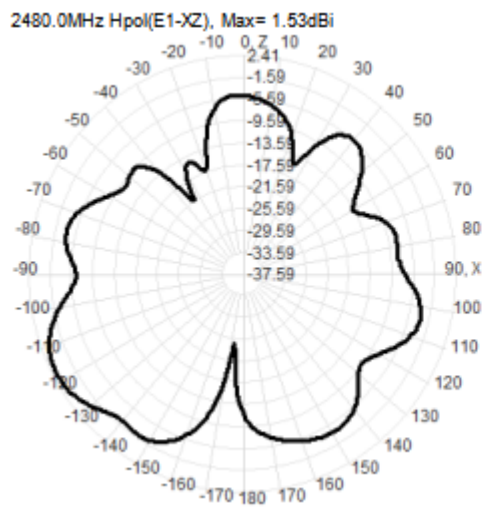
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

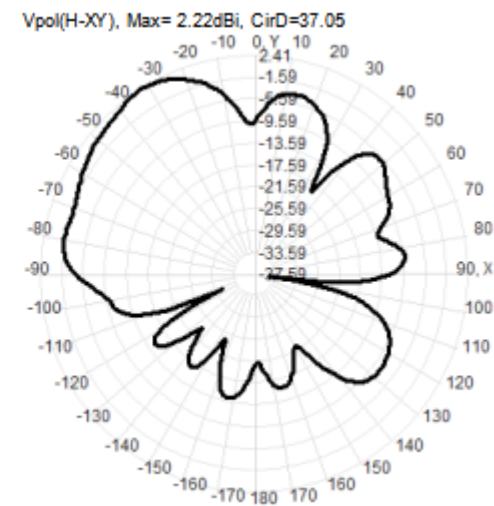
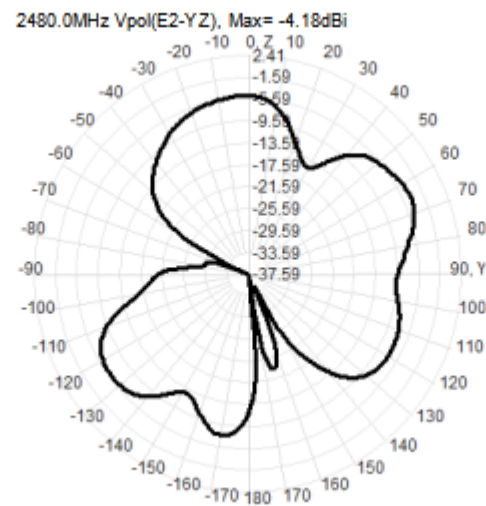
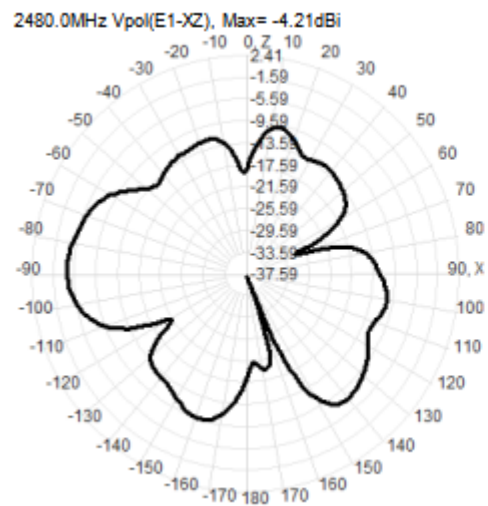
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .480GHz



Co-cross polarization field (dBi)

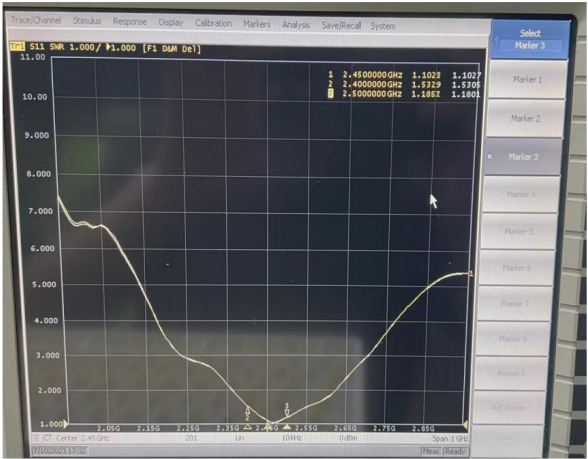
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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二、调试后天线 S11 驻波比:



三、调试后 OTA 无源数据

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	2.94	2.98	2.80	2.83	2.76	2.71	2.65	2.67	2.73	2.75	2.64
Efficiency (%)	40.18	40.82	40.42	40.53	39.53	38.85	37.99	37.24	37.44	37.09	36.28